

CLAIMS

What is claimed is:

- 1 1. A method for customizing one or more user interfaces, comprising:
2 transmitting user interface specification data to one or more multifunction
3 peripherals, wherein user interface specification data defines a desired display
4 and operation behavior for the one or more user interfaces, and wherein each
5 of the one or more user interfaces is displayed on one of one or more
6 multifunction peripherals; and
7 maintaining scheduling data that defines a start time that indicates a time to update
8 each of the one or more user interfaces to reflect the user interface
9 specification data.
- 1 2. The method of Claim 1, wherein the user interface specification data is transmitted
2 from a wireless device.
- 1 3. The method of Claim 1, wherein the user interface specification data is transmitted
2 from an origin multifunction peripheral.
- 1 4. The method of Claim 1, wherein the scheduling data is generated in response to input
2 received from a user.
- 1 5. The method of Claim 1, further comprising:
2 transmitting the scheduling data to the one or more multifunction peripherals;
3 at a particular multifunction peripheral in the one or more multifunction peripherals,
4 determining the current time; and

5 at the particular multifunction peripheral, if the current time is at least as recent as the
6 start time, then updating the user interface displayed on the particular
7 multifunction peripheral to reflect the user interface specification data.

1 6. The method of Claim 1, further comprising:
2 transmitting the scheduling data to the one or more multifunction peripherals;
3 at a particular multifunction peripheral in the one or more multifunction peripherals,
4 determining the current time; and
5 at the particular multifunction peripheral, if the current time is at least as recent as an
6 end time defined in the scheduling data, then updating the user interface
7 displayed on the particular multifunction peripheral to cease reflecting the user
8 interface specification data, wherein the end time indicates a point in time to
9 update each of the one or more user interfaces to cease reflecting the user
10 interface specification data.

1 7. The method of Claim 6, further comprising:
2 after updating the user interface displayed on the particular multifunction peripheral
3 to cease reflecting the user interface specification data, restoring the display
4 and the operation behavior of the user interface displayed on the particular
5 multifunction peripheral to a prior version of the user interface.

1 8. The method of Claim 1, wherein the user interface specification data is transmitted to
2 the one or more multifunction peripherals contemporaneously with the occurrence of
3 the start time.

1 9. The method of Claim 1, further comprising:

2 determining the current time; and
3 if the current time is at least as recent as an end time defined in the scheduling data,
4 then causing the one or more user interfaces displayed on the one or more
5 multifunction peripherals to cease reflecting the user interface specification
6 data.

1 10. The method of Claim 9, further comprising:
2 after the one or more user interfaces cease reflecting the user interface specification
3 data, restoring the display and the operation behavior of the user interfaces to
4 a prior version.

1 11. The method of Claim 1, further comprising:
2 transmitting use limit data that defines a number of uses to apply the user interface
3 specification data to the one or more user interfaces.

1 12. A method for customizing one or more user interfaces, comprising:
2 transmitting user interface specification data that defines a desired display and
3 operation behavior for the one or more user interfaces to one or more
4 multifunction peripherals, wherein each of the one or more user interfaces is
5 displayed on one of the one or more multifunction peripherals; and
6 transmitting use limit data that defines a number of uses to apply the user interface
7 specification data to the one or more user interfaces to the one or more
8 multifunction peripherals.

1 13. The method of Claim 12, wherein the user interface specification data and the use
2 limit data are transmitted from a wireless device.

- 1 14. The method of Claim 12, wherein the user interface specification data and the use
2 limit data are transmitted from an origin multifunction peripheral.
- 1 15. The method of Claim 12, wherein the use limit data is generated at a wireless device
2 prior to transmission in response to input received from a user.
- 1 16. The method of Claim 12, further comprising:
2 at the one or more multifunction peripherals, updating the one or more user interfaces
3 from a first version to a second version in response to processing the user
4 interface specification data, wherein the first version may be different for each
5 of the one or more user interfaces, and wherein the second version reflects the
6 user interface specification data.
- 1 17. The method of Claim 16, further comprising:
2 at a particular multifunction peripheral in the one or more multifunction peripherals,
3 determining a number of uses associated with the user interface displayed on
4 the particular multifunction peripheral since the user interface was last
5 updated.
- 1 18. The method of Claim 17, further comprising:
2 at the particular multifunction peripheral, if the number of uses associated with the
3 user interface displayed on the particular multifunction peripheral since the last
4 update exceeds a threshold identified in the use limit data, then returning the
5 user interface displayed on the particular multifunction peripheral to the first
6 version associated with the user interface particular multifunction peripheral.

1 19. The method of Claim 12, wherein the use limit data further defines a number of uses
2 to apply the user interface specification data to the one or more user interfaces for a
3 specific user.

1 20. The method of Claim 12, further comprising:
2 transmitting scheduling data that defines a start time that indicates a time to update
3 each of the one or more user interfaces to reflect the user interface
4 specification data.

1 21. A computer-readable medium carrying one or more sequences of instructions for
2 customizing one or more user interfaces, wherein execution of the one or more
3 sequences of instructions by one or more processors causes the one or more
4 processors to perform the steps of:
5 transmitting user interface specification data to one or more multifunction
6 peripherals, wherein user interface specification data defines a desired display
7 and operation behavior for the one or more user interfaces, and wherein each
8 of the one or more user interfaces is displayed on one of one or more
9 multifunction peripherals; and
10 maintaining scheduling data that defines a start time that indicates a time to update
11 each of the one or more user interfaces to reflect the user interface
12 specification data.

1 22. The computer-readable medium of Claim 21, wherein the user interface specification
2 data is transmitted from a wireless device.

1 23. The computer-readable medium of Claim 21, wherein the user interface specification
2 data is transmitted from an origin multifunction peripheral.

1 24. The computer-readable medium of Claim 21, wherein the scheduling data is
2 generated in response to input received from a user.

1 25. The computer-readable medium of Claim 21, wherein execution of the one or more
2 sequences of instructions by one or more processors further causes the one or more
3 processors to perform the step of:
4 transmitting the scheduling data to the one or more multifunction peripherals;
5 at a particular multifunction peripheral in the one or more multifunction peripherals,
6 determining the current time; and
7 at the particular multifunction peripheral, if the current time is at least as recent as the
8 start time, then updating the user interface displayed on the particular
9 multifunction peripheral to reflect the user interface specification data.

1 26. The computer-readable medium of Claim 21, wherein execution of the one or more
2 sequences of instructions by one or more processors further causes the one or more
3 processors to perform the step of:
4 transmitting the scheduling data to the one or more multifunction peripherals;
5 at a particular multifunction peripheral in the one or more multifunction peripherals,
6 determining the current time; and
7 at the particular multifunction peripheral, if the current time is at least as recent as an
8 end time defined in the scheduling data, then updating the user interface
9 displayed on the particular multifunction peripheral to cease reflecting the user

10 interface specification data, wherein the end time indicates a point in time to
11 update each of the one or more user interfaces to cease reflecting the user
12 interface specification data.

1 27. The computer-readable medium of Claim 26, wherein execution of the one or more
2 sequences of instructions by one or more processors further causes the one or more
3 processors to perform the step of:
4 after updating the user interface displayed on the particular multifunction peripheral
5 to cease reflecting the user interface specification data, restoring the display
6 and the operation behavior of the user interface displayed on the particular
7 multifunction peripheral to a prior version of the user interface.

1 28. The computer-readable medium of Claim 21, wherein the user interface specification
2 data is transmitted to the one or more multifunction peripherals contemporaneously
3 with the occurrence of the start time.

1 29. The computer-readable medium of Claim 21, wherein execution of the one or more
2 sequences of instructions by one or more processors further causes the one or more
3 processors to perform the step of:
4 determining the current time; and
5 if the current time is at least as recent as an end time defined in the scheduling data,
6 then causing the one or more user interfaces displayed on the one or more
7 multifunction peripherals to cease reflecting the user interface specification
8 data.

1 30. The computer-readable medium of Claim 29, wherein execution of the one or more
2 sequences of instructions by one or more processors further causes the one or more
3 processors to perform the step of:
4 after the one or more user interfaces cease reflecting the user interface specification
5 data, restoring the display and the operation behavior of the user interfaces to
6 a prior version.

1 31. The computer-readable medium of Claim 21, wherein execution of the one or more
2 sequences of instructions by one or more processors further causes the one or more
3 processors to perform the step of:
4 transmitting use limit data that defines a number of uses to apply the user interface
5 specification data to the one or more user interfaces.

1 32. A computer-readable medium carrying one or more sequences of instructions for
2 customizing one or more user interfaces, wherein execution of the one or more
3 sequences of instructions by one or more processors causes the one or more
4 processors to perform the steps of:
5 transmitting user interface specification data that defines a desired display and
6 operation behavior for the one or more user interfaces to one or more
7 multifunction peripherals, wherein each of the one or more user interfaces is
8 displayed on one of the one or more multifunction peripherals; and
9 transmitting use limit data that defines a number of uses to apply the user interface
10 specification data to the one or more user interfaces to the one or more
11 multifunction peripherals.

- 1 33. The computer-readable medium of Claim 32, wherein the user interface specification
2 data and the use limit data are transmitted from a wireless device.
- 1 34. The computer-readable medium of Claim 32, wherein the user interface specification
2 data and the use limit data are transmitted from an origin multifunction peripheral.
- 1 35. The computer-readable medium of Claim 32, wherein the use limit data is generated
2 at a wireless device prior to transmission in response to input received from a user.
- 1 36. The computer-readable medium of Claim 32, wherein execution of the one or more
2 sequences of instructions by one or more processors further causes the one or more
3 processors to perform the step of:
4 at the one or more multifunction peripherals, updating the one or more user interfaces
5 from a first version to a second version in response to processing the user
6 interface specification data, wherein the first version may be different for each
7 of the one or more user interfaces, and wherein the second version reflects the
8 user interface specification data.
- 1 37. The computer-readable medium of Claim 36, wherein execution of the one or more
2 sequences of instructions by one or more processors further causes the one or more
3 processors to perform the step of:
4 at a particular multifunction peripheral in the one or more multifunction peripherals,
5 determining a number of uses associated with the user interface displayed on
6 the particular multifunction peripheral since the user interface was last
7 updated.

1 38. The computer-readable medium of Claim 37, wherein execution of the one or more
2 sequences of instructions by one or more processors further causes the one or more
3 processors to perform the step of:
4 at the particular multifunction peripheral, if the number of uses associated with the
5 user interface displayed on the particular multifunction peripheral since the last
6 update exceeds a threshold identified in the use limit data, then returning the
7 user interface displayed on the particular multifunction peripheral to the first
8 version associated with the user interface particular multifunction peripheral.

1 39. The computer-readable medium of Claim 32, wherein the use limit data further
2 defines a number of uses to apply the user interface specification data to the one or
3 more user interfaces for a specific user.

1 40. The computer-readable medium of Claim 32, wherein execution of the one or more
2 sequences of instructions by one or more processors further causes the one or more
3 processors to perform the step of:
4 transmitting scheduling data that defines a start time that indicates a time to update
5 each of the one or more user interfaces to reflect the user interface
6 specification data.

1 41. An apparatus for customizing one or more user interfaces, comprising:
2 a processor;
3 a computer-readable medium accessible to the processor and comprising one or more
4 sequences of instructions which, when executed by the processor, cause the
5 processor to perform the steps of:

6 transmitting user interface specification data to one or more multifunction
7 peripherals, wherein user interface specification data defines a desired
8 display and operation behavior for the one or more user interfaces, and
9 wherein each of the one or more user interfaces is displayed on one of
10 one or more multifunction peripherals; and
11 maintaining scheduling data that defines a start time that indicates a time to
12 update each of the one or more user interfaces to reflect the user
13 interface specification data.

1 42. The apparatus of Claim 41, wherein the user interface specification data is transmitted
2 from a wireless device.

1 43. The apparatus of Claim 41, wherein the user interface specification data is transmitted
2 from an origin multifunction peripheral.

1 44. The apparatus of Claim 41, wherein the scheduling data is generated in response to
2 input received from a user.

1 45. The apparatus of Claim 41, wherein execution of the one or more sequences of
2 instructions by the processor further causes the processor to perform the steps of:
3 transmitting the scheduling data to the one or more multifunction peripherals;
4 at a particular multifunction peripheral in the one or more multifunction peripherals,
5 determining the current time; and
6 at the particular multifunction peripheral, if the current time is at least as recent as the
7 start time, then updating the user interface displayed on the particular
8 multifunction peripheral to reflect the user interface specification data.

1 46. The apparatus of Claim 41, wherein execution of the one or more sequences of
2 instructions by the processor further causes the processor to perform the steps of:
3 transmitting the scheduling data to the one or more multifunction peripherals;
4 at a particular multifunction peripheral in the one or more multifunction peripherals,
5 determining the current time; and
6 at the particular multifunction peripheral, if the current time is at least as recent as an
7 end time defined in the scheduling data, then updating the user interface
8 displayed on the particular multifunction peripheral to cease reflecting the user
9 interface specification data, wherein the end time indicates a point in time to
10 update each of the one or more user interfaces to cease reflecting the user
11 interface specification data.

1 47. The apparatus of Claim 46, wherein execution of the one or more sequences of
2 instructions by the processor further causes the processor to perform the step of:
3 after updating the user interface displayed on the particular multifunction peripheral
4 to cease reflecting the user interface specification data, restoring the display
5 and the operation behavior of the user interface displayed on the particular
6 multifunction peripheral to a prior version of the user interface.

1 48. The apparatus of Claim 41, wherein the user interface specification data is transmitted
2 to the one or more multifunction peripherals contemporaneously with the occurrence
3 of the start time.

1 49. The apparatus of Claim 41, wherein execution of the one or more sequences of
2 instructions by the processor further causes the processor to perform the steps of:

3 determining the current time; and
4 if the current time is at least as recent as an end time defined in the scheduling data,
5 then causing the one or more user interfaces displayed on the one or more
6 multifunction peripherals to cease reflecting the user interface specification
7 data.

1 50. The apparatus of Claim 49, wherein execution of the one or more sequences of
2 instructions by the processor further causes the processor to perform the step of:
3 after the one or more user interfaces cease reflecting the user interface specification
4 data, restoring the display and the operation behavior of the user interfaces to
5 a prior version.

1 51. The apparatus of Claim 41, wherein execution of the one or more sequences of
2 instructions by the processor further causes the processor to perform the step of:
3 transmitting use limit data that defines a number of uses to apply the user interface
4 specification data to the one or more user interfaces.

1 52. An apparatus for customizing one or more user interfaces, comprising:
2 a processor;
3 a computer-readable medium accessible to the processor and comprising one or more
4 sequences of instructions which, when executed by the processor, cause the
5 processor to perform the steps of:
6 transmitting user interface specification data that defines a desired display and
7 operation behavior for the one or more user interfaces to one or more
8 multifunction peripherals, wherein each of the one or more user

9 interfaces is displayed on one of the one or more multifunction
10 peripherals; and
11 transmitting use limit data that defines a number of uses to apply the user
12 interface specification data to the one or more user interfaces to the
13 one or more multifunction peripherals.

1 53. The apparatus of Claim 52, wherein the user interface specification data and the use
2 limit data are transmitted from a wireless device.

1 54. The apparatus of Claim 52, wherein the user interface specification data and the use
2 limit data are transmitted from an origin multifunction peripheral.

1 55. The apparatus of Claim 52, wherein the use limit data is generated at a wireless
2 device prior to transmission in response to input received from a user.

1 56. The apparatus of Claim 52, wherein execution of the one or more sequences of
2 instructions by the processor further causes the processor to perform the step of:
3 at the one or more multifunction peripherals, updating the one or more user interfaces
4 from a first version to a second version in response to processing the user
5 interface specification data, wherein the first version may be different for each
6 of the one or more user interfaces, and wherein the second version reflects the
7 user interface specification data.

1 57. The apparatus of Claim 56, wherein execution of the one or more sequences of
2 instructions by the processor further causes the processor to perform the step of:

3 at a particular multifunction peripheral in the one or more multifunction peripherals,
4 determining a number of uses associated with the user interface displayed on
5 the particular multifunction peripheral since the user interface was last
6 updated.

1 58. The apparatus of Claim 57, wherein execution of the one or more sequences of
2 instructions by the processor further causes the processor to perform the step of:
3 at the particular multifunction peripheral, if the number of uses associated with the
4 user interface displayed on the particular multifunction peripheral since the last
5 update exceeds a threshold identified in the use limit data, then returning the
6 user interface displayed on the particular multifunction peripheral to the first
7 version associated with the user interface particular multifunction peripheral.

1 59. The apparatus of Claim 52, wherein the use limit data further defines a number of
2 uses to apply the user interface specification data to the one or more user interfaces
3 for a specific user.

1 60. The apparatus of Claim 52, wherein execution of the one or more sequences of
2 instructions by the processor further causes the processor to perform the step of:
3 transmitting scheduling data that defines a start time that indicates a time to update
4 each of the one or more user interfaces to reflect the user interface
5 specification data.

1 61. An apparatus for customizing one or more user interfaces, comprising:
2 means for transmitting user interface specification data to one or more multifunction
3 peripherals, wherein user interface specification data defines a desired display

4 and operation behavior for the one or more user interfaces, and wherein each
5 of the one or more user interfaces is displayed on one of one or more
6 multifunction peripherals; and
7 means for maintaining scheduling data that defines a start time that indicates a time to
8 update each of the one or more user interfaces to reflect the user interface
9 specification data.

1 62. The apparatus of Claim 61, wherein the user interface specification data is transmitted
2 from a wireless device.

1 63. The apparatus of Claim 61, wherein the user interface specification data is transmitted
2 from an origin multifunction peripheral.

1 64. The apparatus of Claim 61, wherein the scheduling data is generated in response to
2 input received from a user.

1 65. The apparatus of Claim 61, further comprising:
2 means for transmitting the scheduling data to the one or more multifunction
3 peripherals;
4 means for determining the current time at a particular multifunction peripheral in the
5 one or more multifunction peripherals; and
6 means for updating the user interface displayed on the particular multifunction
7 peripheral to reflect the user interface specification data at the particular
8 multifunction peripheral if the current time is at least as recent as the start
9 time.

1 66. The apparatus of Claim 61, further comprising:
2 means for transmitting the scheduling data to the one or more multifunction
3 peripherals;
4 means for determining the current time at a particular multifunction peripheral in the
5 one or more multifunction peripherals; and
6 means for updating the user interface displayed on the particular multifunction
7 peripheral to cease reflecting the user interface specification data at the
8 particular multifunction peripheral if the current time is at least as recent as an
9 end time defined in the scheduling data, wherein the end time indicates a point
10 in time to update each of the one or more user interfaces to cease reflecting the
11 user interface specification data.

1 67. The apparatus of Claim 66, further comprising:
2 means for restoring the display and the operation behavior of the user interface
3 displayed on the particular multifunction peripheral to a prior version of the
4 user interface after updating the user interface displayed on the particular
5 multifunction peripheral to cease reflecting the user interface specification
6 data.

1 68. The apparatus of Claim 61, wherein the user interface specification data is transmitted
2 to the one or more multifunction peripherals contemporaneously with the occurrence
3 of the start time.

1 69. The apparatus of Claim 61, further comprising:
2 means for determining the current time; and

3 means for causing the one or more user interfaces displayed on the one or more
4 multifunction peripherals to cease reflecting the user interface specification
5 data if the current time is at least as recent as an end time defined in the
6 scheduling data.

1 70. The apparatus of Claim 69, further comprising:
2 means for restoring the display and the operation behavior of the user interfaces to a
3 prior version after the one or more user interfaces cease reflecting the user
4 interface specification data.

1 71. The apparatus of Claim 61, further comprising:
2 means for transmitting use limit data that defines a number of uses to apply the user
3 interface specification data to the one or more user interfaces.

1 72. An apparatus for customizing one or more user interfaces, comprising:
2 means for transmitting user interface specification data that defines a desired display
3 and operation behavior for the one or more user interfaces to one or more
4 multifunction peripherals, wherein each of the one or more user interfaces is
5 displayed on one of the one or more multifunction peripherals; and
6 means for transmitting use limit data that defines a number of uses to apply the user
7 interface specification data to the one or more user interfaces to the one or
8 more multifunction peripherals.

1 73. The apparatus of Claim 72, wherein the user interface specification data and the use
2 limit data are transmitted from a wireless device.

1 74. The apparatus of Claim 72, wherein the user interface specification data and the use
2 limit data are transmitted from an origin multifunction peripheral.

1 75. The apparatus of Claim 72, wherein the use limit data is generated at a wireless
2 device prior to transmission in response to input received from a user.

1 76. The apparatus of Claim 72, further comprising:
2 means for updating the one or more user interfaces from a first version to a second
3 version in response to processing the user interface specification data at the
4 one or more multifunction peripherals, wherein the first version may be
5 different for each of the one or more user interfaces, and wherein the second
6 version reflects the user interface specification data.

1 77. The apparatus of Claim 76, further comprising:
2 means for determining a number of uses associated with the user interface displayed
3 on the particular multifunction peripheral since the user interface was last
4 updated at a particular multifunction peripheral in the one or more
5 multifunction peripherals.

1 78. The apparatus of Claim 77, further comprising:
2 means for returning the user interface displayed on the particular multifunction
3 peripheral to the first version associated with the user interface particular
4 multifunction peripheral at the particular multifunction peripheral if the
5 number of uses associated with the user interface displayed on the particular

6 multifunction peripheral since the last update exceeds a threshold identified in
7 the use limit data.

1 79. The apparatus of Claim 72, wherein the use limit data further defines a number of
2 uses to apply the user interface specification data to the one or more user interfaces
3 for a specific user.

1 80. The apparatus of Claim 72, further comprising:
2 means for transmitting scheduling data that defines a start time that indicates a time to
3 update each of the one or more user interfaces to reflect the user interface
4 specification data.